



# Installing MacBook Core Duo Bluetooth Board

## Tools used in this guide

- [Coin](#)
- [Phillips #00 Screwdriver](#)
- [Spudger](#)

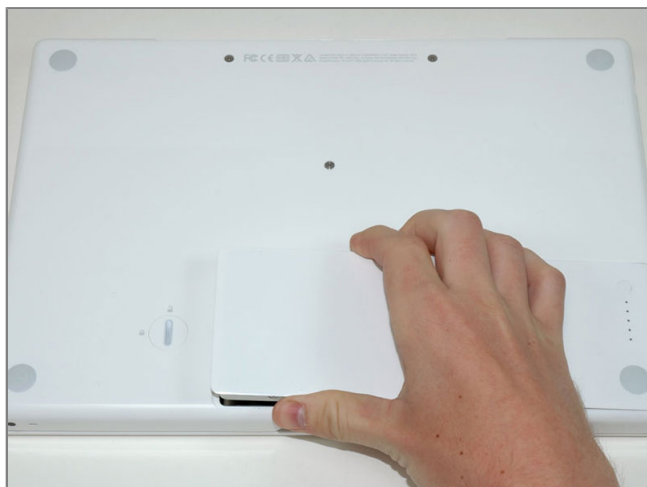
## Parts relevant to this guide

- [MacBook Bluetooth Board](#)



## Step 1 - Battery

- Use a coin to rotate the battery-locking screw 90 degrees clockwise.



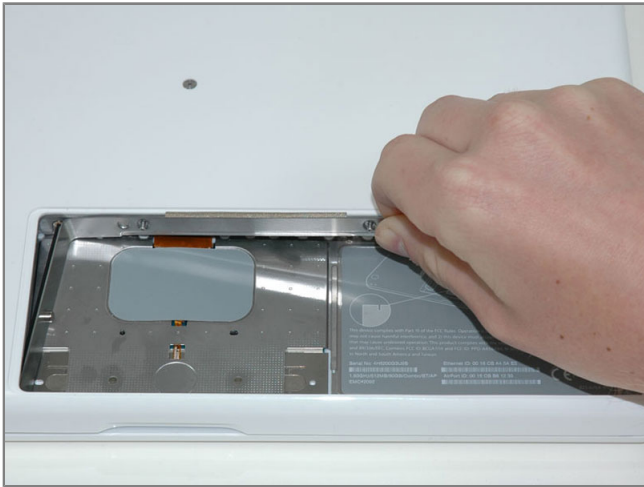
## Step 2

- Lift the battery out of the computer.



## Step 3 - Memory Cover

- Remove the three evenly-spaced Phillips screws from along the rear wall of the battery compartment.
- The screws are captive to the metal memory cover.



## Step 4

- Lift up on L-shaped memory cover, slide it to the right, and lift it out of the computer.



## Step 5 - Upper Case

- Remove the following 3 screws:
  - One 11 mm Phillips in the middle of the case.
  - Two 14.5 mm Phillips.
- If the screws stick in the case, you can use a magnetized screwdriver to draw them out.
- The shorter of the three screws goes in the middle.





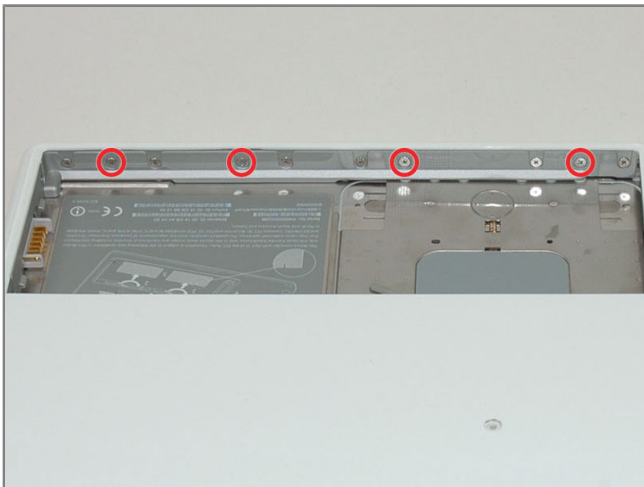
## Step 6

- Remove the following 3 screws from the rear wall of the battery compartment:
  - Two 3 mm Phillips.
  - One 4 mm Phillips on the right side.
- When reinstalling these screws, it may be helpful to push down on the lower case to line up the screw holes.



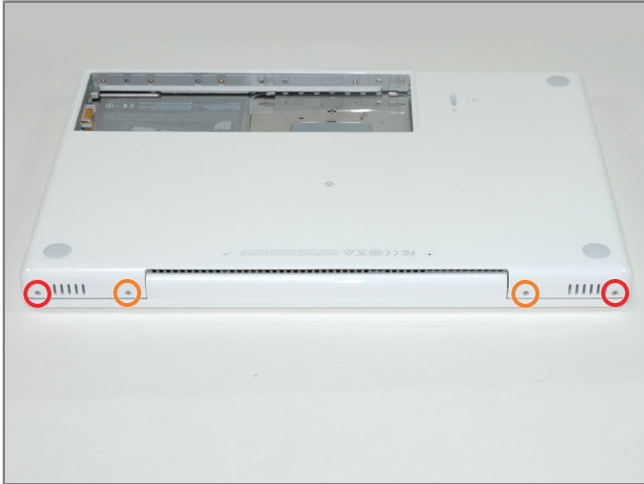
## Step 7

- Remove the two Phillips screws from either side of the right wall of the battery compartment (not the ones closest to the battery connector).



## Step 8

- Remove the four indicated Phillips screws from the front wall of the battery compartment. When working from the left, remove the 2nd, 4th, 7th and 9th screw.



## Step 9

- Remove the following 4 screws from the back of the computer:
  - Two 7 mm Phillips on the far sides.
  - Two 10.5 mm Phillips toward the center.



## Step 10

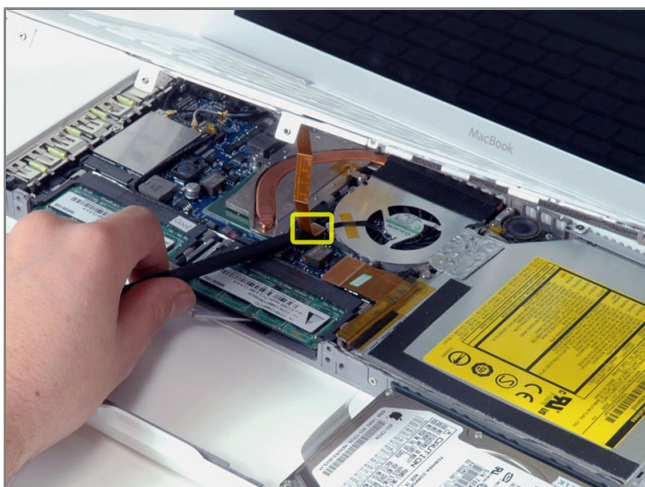
- Remove the two Phillips screws from the optical side of the computer.
- It is not necessary to remove the similar screws on the other side of the computer.



## Step 11

- Starting near the display and working around to the front of the computer, pry up on the upper case.
- There's a trackpad and keyboard ribbon connecting the upper case to the logic board, so don't pull the upper case off entirely just yet.





### Step 12

- While holding up the upper case, use a spudger to pry up the orange trackpad and keyboard cable from its connector.



### Step 13 - Optical Drive

- Grasp the white plastic tab attached to the hard drive and pull it to the left, removing the hard drive from the computer.



### Step 14

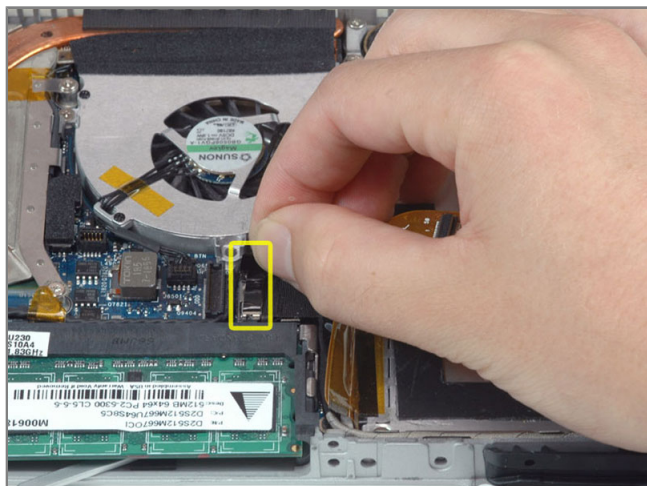
- Remove the two Phillips screws from the front edge of the optical drive.





## Step 15

- Disconnect the orange optical drive ribbon cable from the logic board.



## Step 16

- Disconnect the newly-revealed display data cable. If there is no pull-tab on the top of the connector, it may be helpful to use a spudger to disconnect this connector.



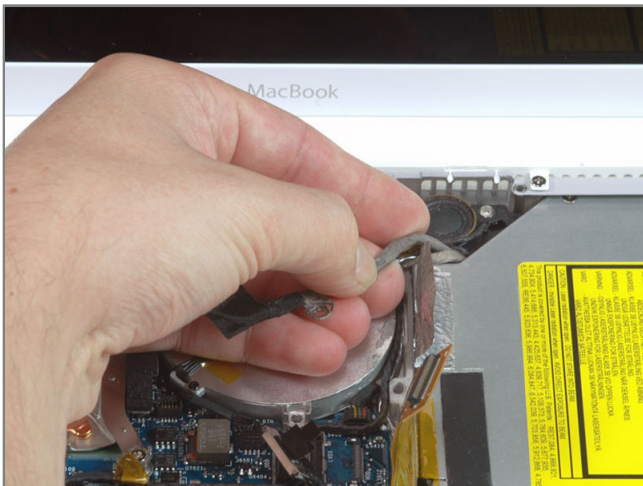
## Step 17

- Disconnect the (once again) newly-revealed hard drive cable.



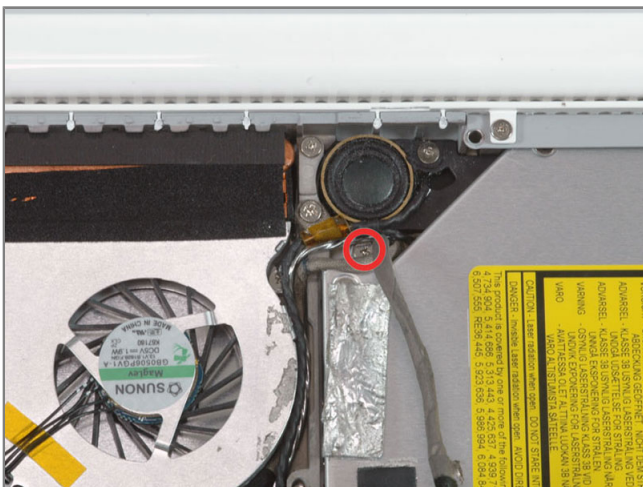
## Step 18

- Peel up the foil tape between the fan and the optical drive.
- Remove the Phillips screw securing the display data cable to the metal framework.



## Step 19

- Pull up the display data cable from along the edge of the optical drive to reveal a silver Phillips screw.



## Step 20

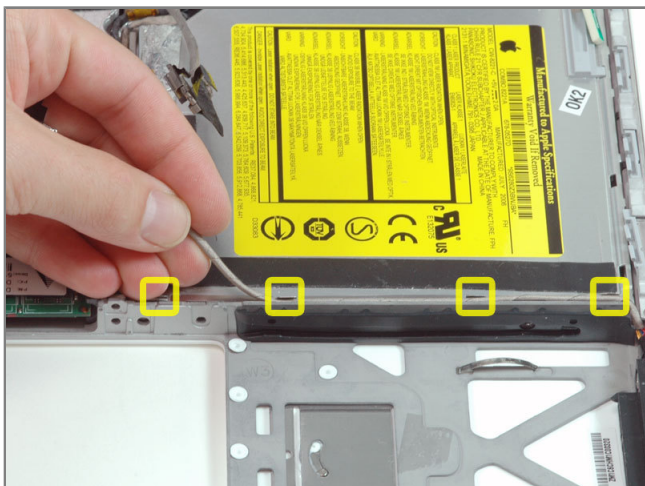
- Remove the Phillips screw securing the optical drive.
- The Bluetooth cable may be covering the screw; carefully push it aside before removing the screw.





### Step 21

- Lift the Bluetooth antenna board from the right side of the optical drive.



### Step 22

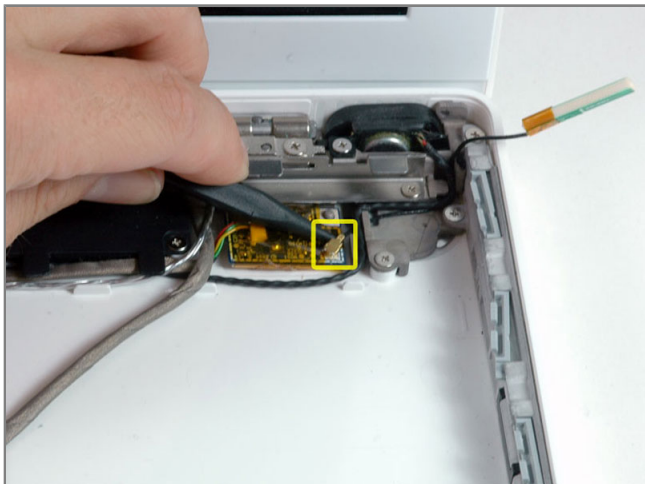
- Deroute the hard drive cable from along the front of the optical drive.



### Step 23

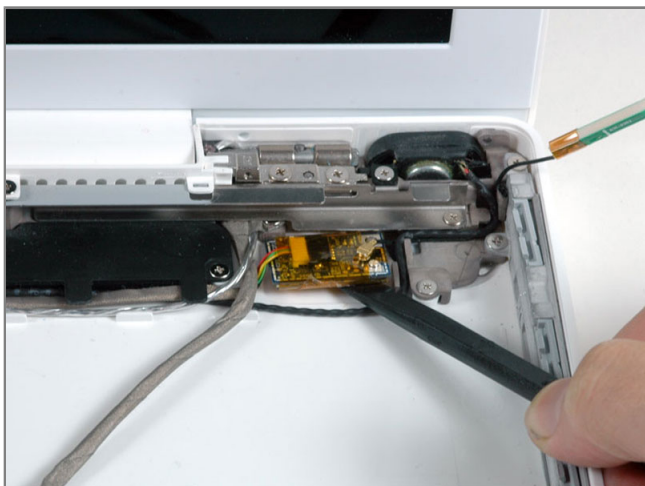
- Lift the front edge of the optical drive and slide it up and out of the computer.





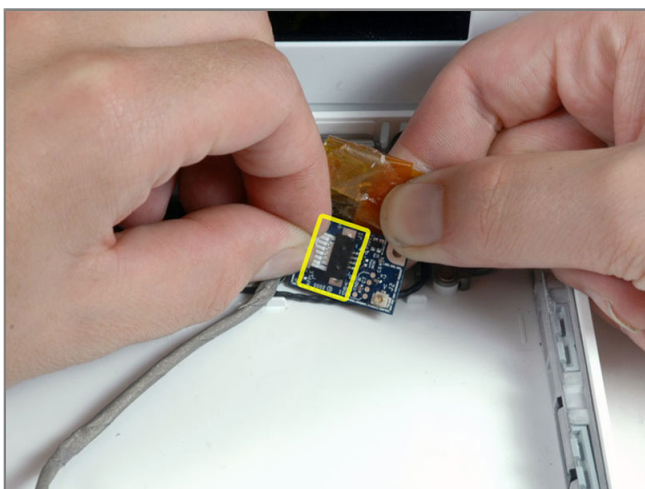
### **Step 24 - Bluetooth Board**

- Use a spudger to disconnect the gold Bluetooth antenna connector from the Bluetooth board.



### **Step 25**

- Pry the Bluetooth board up from the lower case.



### **Step 26**

- Peel back the orange tape covering the Bluetooth board so you can access the data cable connector.
- Disconnect the data cable from the Bluetooth board.
- Lift the Bluetooth board out of the computer.